

12 MAR 1984

MEMORANDUM FOR: Chairman, Fine Arts Commission

VIA: *gl* Deputy Director for Administration

FROM: *f* Daniel C. King  
Director of Logistics

SUBJECT: Raceway for Exposed Installations of Power,  
Communication and Computer Lines

REFERENCE: Memo to DDA fm C/FAC, dtd 13 Feb 84,  
Subject: Selection of More Attractive Conduit  
for Exposed Power, Communications and Computer  
Lines

1. The referent proposal has been reviewed by Communication Security Division, Office of Communications (CSD/OC), and Physical Security Division, Office of Security (PSD/OS). PSD/OS stated that they have no objection to the proposal. CSD/OC has no basic objection to the proposal, but that they require the use of ferrous metal raceway. The plastic raceway is not acceptable for OC requirements.

2. The Office of Logistics (OL) considers it satisfactory to use either the plastic or ferrous raceway as a substitute for the electrical conduit currently being installed exposed in office areas. Accordingly, the referent raceway will be used to help improve the appearance of the office environment whenever possible.

[Redacted Signature]

Daniel C. King

STAT

cc: CSD/OC  
D/OC  
D/OS  
D/ODP  
PSD/OS  
C/LSD/OL



OL 13155-84

CONFIDENTIAL

## ROUTING AND RECORD SHEET

84-04851

SUBJECT: (Optional) Selection of More Attractive Conduit for Exposed Power, Communications and Computer Lines (U)

FROM:

Director of Communications

EXTENSION

NO.

1179

DATE

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. DDA  
7D18 Hqs

6 MAR 1984

2.

3. Chairman,  
Fine Arts Commission  
2D00 Hqs

3/6

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

For 15 March meeting.

**CONFIDENTIAL**

87-465/1

OC-224-179

MEMORANDUM FOR: Chairman, Fine Arts Commission

THROUGH: Deputy Director for Administration

FROM: William F. Donnelly (C)  
Director of Communications

SUBJECT: Selection of More Attractive Conduit for  
Exposed Power, Communications and Computer  
Lines (U)

REFERENCE: Your Memorandum for DDA, dtd 13 February 1984,  
Same Subject

1. Your suggestion of using Wiremold Surface Metal Raceway as outlined in the referenced memorandum is an acceptable alternative to using the pipe (rigid or EMT) type of conduit in all visible locations. Ferrous metal conduit or channeling is required on all signal lines handling classified (RED) data to contain any possible TEMPEST emanations (the Wang balanced coax system being the exception). The same requirement applies to lines supplying power to classified processing equipment. (U)

2. When installing this type of channeling in the ceiling area above the offices for connection to other conduits, it is important that proper ferrous metal interfacing be used to maintain the integrity of the system. This is a requirement of the National Electric Code in addition to good security practices. Also it must be pointed out that building fire codes require use of metallic conduits and raceways in spaces above the suspended ceilings. (U)

3. Our Domestic Networks Division is initiating action to procure the necessary channeling and materials for visible installations. Unfortunately materials will not be available for 90 - 120 days. Additionally, due to the expense of retrofitting existing installations, there are no plans to do any of this type of work. (U)

WARNING NOTICE  
INTELLIGENCE SOURCES  
OR METHODS INVOLVED

25X1

**CONFIDENTIAL**

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Approved For Release 2005/08/22 : CIA-RDP87-01130R000100120027-8

SUBJECT: Selection of More Attractive Conduit for Exposed  
Power, Communications and Computer Lines (U)

4. If additional information is required please contact

25X1

[Redacted]

[Redacted]

25X1

William F. Donnelly (C)

cc: Director of Logistics  
Director of Security  
Director of Data Processing

Approved For Release 2005/08/22 : CIA-RDP87-01130R000100120027-8

CONFIDENTIAL

13 February 1984

MEMORANDUM FOR: Deputy Director for Administration

FROM: [REDACTED]

Chairman, Fine Arts Commission

SUBJECT: Selection of More Attractive Conduit for  
Exposed Power, Communications and Computer Lines

1. As under-floor raceways in the Headquarters Building become more congested, installations of independent power lines for computer terminals or word processors, and communications lines for computer terminals or secure telephones, are requiring the use of metal conduit running down interior walls from space above the ceiling. Regrettably, common metal pipe has been used in many of these installations, defacing the walls and introducing a factory-like appearance in offices which ought to be enhanced, not marred, by the advent of office automation. Similar pipe has been used in many of our outlying buildings, with similar unattractive results.

2. When Wang word processors were selected as the Agency standard, we went out of our way to select a self-effacing, flat, easily mounted, beige plastic conduit for the lines which we knew would be needed for word processing installations. Plastic conduit is not suitable for electrical lines, however, so I have discussed alternatives with [REDACTED] the Headquarters Engineering Branch, OL. He has proposed the use of Wiremold Surface Metal Raceway conduit, model 200 as a substitute for the ugly pipe now being used. (Please see the attached copy of a page from the Wiremold brochure.) This conduit is made of .025" steel, has a buff finish, is easily paintable, and is not significantly more expensive than the pipe now in use.

3. In conversations with [REDACTED] Communications Security Division, OC, and with [REDACTED] Domestic Security Branch, OS/PSD, I have suggested that this same conduit could be adopted as the standard for computer and secure voice installations. I understand that ferrous conduit is preferred for such wiring, although I would venture the suggestion that for those parts of an installation which are completely visible, in buildings which are totally under CIA control, the plastic conduit used for the Wang terminals might provide adequate protection. If it must be ferrous, however, the Wiremold is certainly a more aesthetically satisfying material than the pipe now in use.

4. On behalf of the Fine Arts Commission, I propose that the plastic conduit now used with Wang and the steel Wiremold conduit described in the attachment be adopted as Agency standards for use in all Agency buildings when electrical, computer or communications lines must be surface mounted in office space.

5. If it is at all possible I would like to be in a position to provide the members of the FAC with a status report on this proposal at our next meeting, now scheduled for 12 March 1984.



STAT

Attachment:  
As Stated

cc: Director of Logistics  
Chief, Real Estate and Construction Division, OL  
[redacted] Headquarters Engineering Branch  
Director of Communications  
Chief, Communications Security Division, OC  
[redacted]  
Director of Security  
Chief, Physical Security Division, OS  
[redacted]  
Director of Data Processing

STAT

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[redacted] (13 Feb 84)

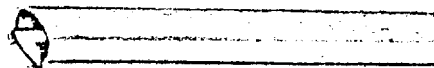
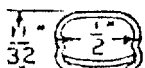
Distribution:  
Orig - addressee  
1 - FAC Files

ADMINISTRATIVE - INTERNAL USE ONLY



# Wiremold® Surface Metal Raceway Systems

## WIREMOLD 200



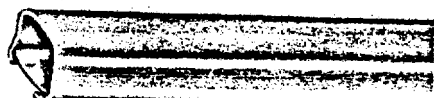
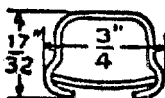
.025" steel. Buff finish. Furnished in 5' lengths with coupling. 100' to carton.

### 200 WIRE CAPACITY

#### Single Conductor

TYPE	No. 6	No. 8	No. 10	No. 12	No. 14
THHN, THWN	—	—	—	3	5
TW	—	—	—	3	3
THW	—	—	—	2	2
RHH, RHW	—	—	—	—	—

## WIREMOLD 500



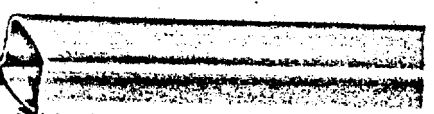
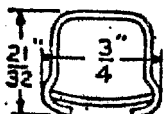
.040" steel. Buff finish. Furnished in 10' lengths with coupling. 100' to carton.

### 500 WIRE CAPACITY

#### Single Conductor

TYPE	No. 6	No. 8	No. 10	No. 12	No. 14
THHN, THWN	—	2	4	7	9
TW	—	2	3	4	6
THW	—	—	2	3	4
RHH, RHW	—	—	2	2	2

## WIREMOLD 700



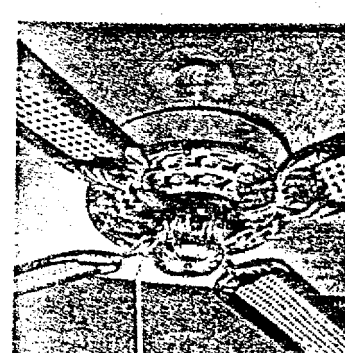
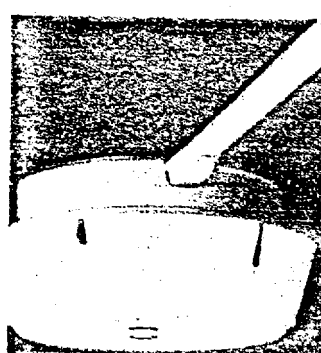
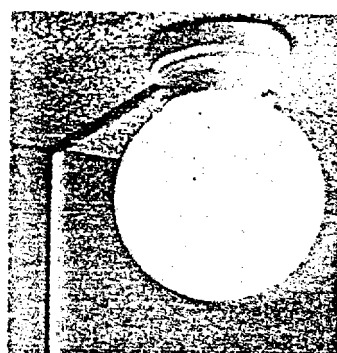
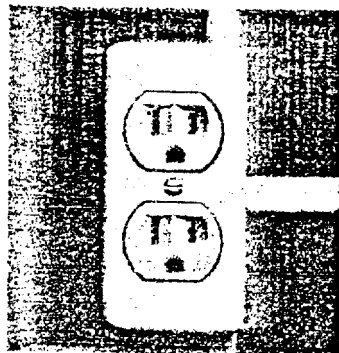
.040" steel. Buff finish. Furnished in 10' lengths with coupling. 100' to carton.

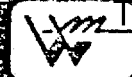
### 700 WIRE CAPACITY

#### Single Conductor

TYPE	No. 6	No. 8	No. 10	No. 12	No. 14
THHN, THWN	2	3	5	8	11
TW	—	2	4	6	7
THW	—	2	3	4	5
RHH, RHW	—	—	2	2	3

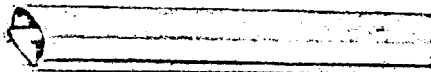
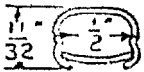
The raceways above are truly one-piece. They are factory assembled as one unit and are always used as one-piece with wiring pulled in.





# Wiremold® Surface Metal Raceway Systems

## WIREMOLD 200



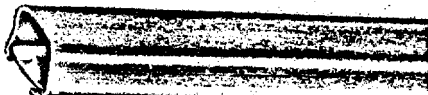
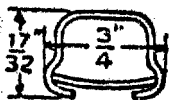
.025" steel. Buff finish. Furnished in 5' lengths with coupling. 100' to carton.

### 200 WIRE CAPACITY

#### Single Conductor

TYPE	No. 6	No. 8	No. 10	No. 12	No. 14
THHN, THWN	—	—	—	3	5
TW	—	—	—	3	3
THW	—	—	—	2	2
RHH, RHW	—	—	—	—	—

## WIREMOLD 500



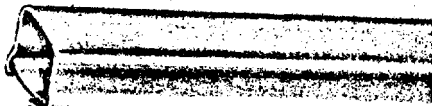
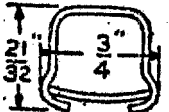
.040" steel. Buff finish. Furnished in 10' lengths with coupling. 100' to carton.

### 500 WIRE CAPACITY

#### Single Conductor

TYPE	No. 6	No. 8	No. 10	No. 12	No. 14
THHN, THWN	—	2	4	7	9
TW	—	2	3	4	6
THW	—	—	2	3	4
RHH, RHW	—	—	2	2	2

## WIREMOLD 700



.040" steel. Buff finish. Furnished in 10' lengths with coupling. 100' to carton.

### 700 WIRE CAPACITY

#### Single Conductor

TYPE	No. 6	No. 8	No. 10	No. 12	No. 14
THHN, THWN	2	3	5	8	11
TW	—	2	4	6	7
THW	—	2	3	4	5
RHH, RHW	—	—	2	2	3

The raceways above are truly one-piece. They are factory assembled as one unit and are always used as one-piece with wiring pulled in.

